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NOTES.

In his *Varia Socratica*,¹ pages 151–155, A. E. Taylor discusses the familiarity of Socrates with mathematical science.

A new edition of the *Encyclopedia Americana* is nearing completion and is especially noteworthy here on account of the valuable mathematical articles contained therein. The edition is expected to comprise thirty volumes and the mathematical articles were prepared by a number of different American authors.

The following memoirs on ULISSE DINI have been recently published: By L. Bianchi in *Rendiconti della r. accademia dei Lincei, scienze fisiche*, Roma, 1919, (10 pages); by F. d'Arcais in *Atti del r. istituto Veneto di Scienze, lettere ed arti*, Venezia, 1919 (7 pages).

A compiler of a mathematical dictionary might find the following recent volume in the Manuali Hoepli series of some service: D. M. Mele, *Dizionario internazionale di aeronavigazione e costruzioni aeronautiche, italiano, francese, inglese, tedesco con indice delle quattro lingue in alfabeto unico*. Milano, 1919. (7 + 227 pp.).

A new work by Professor A. N. Whitehead, entitled *An Enquiry concerning the Principles of Natural Knowledge*, has been published by the Cambridge University Press 12s. 6d. The four parts of the book deal with: The traditions of science, The data of science, The method of extensive abstraction, The theory of objects. In the investigation the scientific concepts of space and time are considered as the first outcome of the simplest generalization from experience.

The interesting and attractive first two numbers of *Norsk Matematisk Tidsskrift*, the official organ of the recently organized Norwegian Mathematical Society (1919, 324) are heartily welcomed by the MONTHLY. The first number, of 32 pages, contains articles on Sylow and his scientific work, on number theory polynomials and on an elementary proof of Kepler's first and second laws, besides brief notes, problems for solution, and news of the Society (which had 375 members on February 1, 1919). As inserts are also a fine portrait of Sylow and the laws of the Society. In addition to more problems, notes concerning the Society and its members, and book reviews, the second number, of 48 pages, contains articles on Indian mathematics, application of a formula for inversion to the theory of numbers, distribution of chance errors in observation, and graphical integration. The articles are written in Norwegian, Swedish, French, and German.

ARTICLES IN CURRENT PERIODICALS.

BOLLETTINO DI BIBLIOGRAFIA E STORIA DELLE SCIENZE MATEMATICHE, Volume 20, No. 3, 1918: "Sulla significato della parola 'prospettiva' usata nella legge sulla conservazione dei monumenti" by G. Pittarelli, 65–76; 17 reviews, 76–94 [including reviews by G. Loria of

¹ First series (St. Andrews University Publications, No. IX), Oxford, Parker, 1911.